

# Oil Field Environmental Incident Summary

**Incident:** 20140402231237      **Date/Time of Notice:** 04/02/2014 23:12

**Responsible Party:** HESS BAKKEN INVESTMENTS II, LLC

**Well Operator:** HESS BAKKEN INVESTMENTS II, LLC

**Well Name:** R. L. OLSON 10

**Field Name:** BLUE BUTTES

**Well File #:** 9414

**Date Incident:** 4/1/2014

**Time Incident:** 16:00

**Facility ID Number:**

**County:** MCKENZIE

**Twp:** 150

**Rng:** 95

**Sec:** 9

**Qtr:**

**Location Description:**

**Submitted By:** Jason Henry

**Received By:**

**Contact Person:** Jason Henry  
3015 16th St. SW, Suite 20  
Minot, ND 58701

**General Land Use:** Well/Facility Site

**Affected Medium:** Topsoil

**Distance Nearest Occupied Building:** 0.1 Mile

**Distance Nearest Water Well:** 0.1 Mile

**Type of Incident:** Valve/Piping Connection Leak

**Release Contained in Dike:** No

**Reported to NRC:** No

	Spilled	Units	Recovered	Units	Followup	Units
Oil						
Brine						
Other	450	Barrels				

**Description of Other Released Contaminant:**

Fresh water pumped from the Fox Hill Aquifer. The fresh water that was released had approximately 5 gallons of chemical mixed with it.

**Inspected:**

**Written Report Received:** 6/17/2016

**Clean Up Concluded:** 4/1/2014

**Risk Evaluation:**

N/A - fresh water release.

**Areal Extent:**

The fresh water migrated off of location, extent of offsite affected area is unknown at this time.

**Potential Environmental Impacts:**

It is not anticipated that any impacts occurred due to this release of fresh water. Any potential impacts will be evaluated further upon receipt of analytical data from sample of fresh water that was released.

**Action Taken or Planned:**

Fresh water system was shut in following discovery of the release. Representative samples of the released fresh water will be collected on 04/03/2014 and submitted for laboratory analyses. Upon receipt of the analytical data, a remedial strategy will be developed (if required).

**Wastes Disposal Location:** If any waste is generated, it will be disposed of a properly permitted disposal facility.

**Agencies Involved:** NDDH

**Updates**

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**Date:** 4/2/2014      **Status:** Reviewed - Follow-up Required

**Author:** Roberts, Kris

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Roberts was contacted by phone by Brian Epperson of Hess. The report is that the chemicals reportedly in the fresh water are a dispersant (150 ppm) and a corrosion inhibitor (20 ppm) (approximate). Water at the source, after chemical addition, will be tested as well as the water released (which froze). Safety Data Sheets have been submitted via email to NDDoH for review. Followup is necessary, both to visually confirm the extent of the release and to interface with Hess personnel on any cleanup decisions.

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**Date:** 4/3/2014      **Status:** Inspection

**Author:** O'Gorman, Brian

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Arrived on location at 17:00, 4/3/14. 35 degrees F, NW wind 10-15 mph, cloudy. Spoke with the Hess representative via cell phone while on site to determine correct coordinates and a clearer description of the release. No other contacts were on site during inspection. Observed site and took photos. The well pad and surrounding topography sloped toward the southwest. It appeared as if the release had exited the well pad near the southwest corner of the pad, where the pad was constructed on a steep slope that bordered a cultivated wheat field. It also appeared that where the release had exited the well pad, stormwater moved off the pad in the same area due to (1) riprap being placed on the side slope of the well pad and (2) an erosional feature that ran toward the south and west in the cultivated field.

It appeared that the movement of the water from the well pad area would drain toward 28 M Street south of the well pad, then west along the ditch area to 106th Avenue NW, then south to an intermittent creek south of 28 M Street. Followup required to determine water quality of release.

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**Date:** 8/27/2014    **Status:** Inspection

**Author:** O'Gorman, Brian

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Arrived on location at 13:15 CT. Sunny, 75 degrees F, 10-20 mph south wind. Traversed site and took photos. The drainage channel sloping from the southwest corner of the well pad to the ditch area north of 28 M Street to the southeast showed areas of sparse vegetation in the channel and along the channel. Could not determine whether sparse vegetation was caused by release in April or partial erosion and cattle grazing (traffic). Ditch area where release pooled showed normal vegetative growth. Follow up with company contact to inquire about sampling results indicated on incident report.

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**Date:** 11/5/2015    **Status:** Reviewed - No Action Required

**Author:** Cooper, Mike

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Arrived on site 11:30 a.m. Temperature 34 degrees, wind 10-15 mph SSE. Walked around site and location of spill. Vegetative growth is present. Cattle grazing has also occurred. Ditch area to the SSW showed normal vegetative growth. No further action is required on this site.